Comparisons of Job Characteristics

Focus Occupation: Supervisors of Construction and Extraction Workers (47-1011)
Associated Occupation: Brickmasons and Blockmasons (47-2021)

Compare Knowledge
Compare Skills
Compare Abilities
Compare Detailed Work Activities
Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge — Similarity of Focus Occupation to Associated Occupation: 92

Focus Occupation: Supervisors of Construction and Extraction Workers (47-1011)
Associated Occupation: Brickmasons and Blockmasons (47-2021)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Building and Construction	4.0	17.9	16.9	0	Current knowledge level may be sufficient
Design	5.2	10.7	10.9	0	Current knowledge level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills — Similarity of Focus Occupation to Associated Occupation: 58

Focus Occupation: Supervisors of Construction and Extraction Workers (47-1011)
Associated Occupation: Brickmasons and Blockmasons (47-2021)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mathematics	6.2	8.9	6.4	<<	Extensive development of skills in this area may be required
Quality Control Analysis	5.9	8.3	7.9	0	Current skill level may be sufficient
Equipment Selection	3.3	5.8	6.9	>	Skill level is likely sufficient
Management of Material Resources	3.7	5.1	5.6	0	Current skill level may be sufficient
Repairing	3.4	5.1	4.4	<	A higher skill level may be required
Equipment Maintenance	3.5	4.7	5.1	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities — Similarity of Focus Occupation to Associated Occupation: 39

Focus Occupation: Supervisors of Construction and Extraction Workers (47-1011)					
Associated Occupation: Brickmasons and Blockmasons (47-2021)					

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Static Strength	5.0	14.1	5.2	<<	Extensive improvement in abilities may be required
Trunk Strength	5.7	13.8	4.4	<<	Extensive improvement in abilities may be required
Extent Flexibility	4.8	11.9	4.6	<<	Extensive improvement in abilities may be required
Manual Dexterity	6.5	11.8	7.3	<<	Extensive improvement in abilities may be required
Dynamic Strength	3.5	11.4	4.0	<<	Extensive improvement in abilities may be required
Visualization	7.5	11.1	9.8	<	Some improvement in abilities may be required
Multilimb Coordination	6.0	10.8	6.8	<<	Extensive improvement in abilities may be required
Gross Body Equilibrium	3.2	8.0	4.0	<<	Extensive improvement in abilities may be required
Stamina	4.0	7.8	4.3	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 64

Focus Occupation: Supervisors of Construction and Extraction Workers (47-1011)	
Associated Occupation: Brickmasons and Blockmasons (47-2021)	

Work Activities	Exclusivity of Activity
Perform safety inspections in construction or resource extraction setting	46
Plan or organize work	51
Read blueprints	10
Read tape measure	41
Read technical drawings	7
Understand construction specifications	53
Use hand or power tools	2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 85

Focus Occupation: Supervisors of Construction and Extraction Workers (47-1011)
Associated Occupation: Brickmasons and Blockmasons (47-2021)

Tools and Technologies	Exclusivity
Aerial lifts	13
Building construction machinery and accessories	25
Business function specific software	1
Cleaning equipment	11
Compressors	9
Computers	1
Cutting and crimping and punching tools	3
Dispensing tools	6
Earth moving machinery	11
Face and head protection	7
Fall protection	16
Forming tools	2
Holding and clamping tools	3
Indicating and recording instruments	2
Industrial trucks	10
Industry specific software	1
Ladders and scaffolding	6
Length and thickness and distance measuring instruments	2
Lifting equipment and accessories	3
Machinery for working wood and stone and ceramic and the like	12
Marking tools	11
Masonry and concrete tools	22
Measuring and layout tools	3
Power generators	16
Power tools	2
Pressure measuring and control instruments	10
Prying and bending tools	10
Respiratory protection	6
Rough and finishing tools	5
Soldering and brazing and welding machinery and supplies	6
Vision protection and accessories	3
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.